



US Army Corps  
of Engineers®

## US Army Engineer Research and Development Center (ERDC): Coastal Engineering Information Analysis Center (CEIAC)

**Description:** The US Army Corps of Engineers (USACE), Engineer Research and Development Center (ERDC), Coastal and Hydraulics Laboratory (CHL), Coastal Engineering Information Analysis Center (CEIAC), Vicksburg, MS, provides quick referrals to, and establishes contact with, leading authorities in various areas of technical expertise in coastal engineering. CEIAC is utilized by a diverse clientele including government and private industry researchers, engineers, program managers, students, and others interested in the broad field of coastal engineering and science.

**Capabilities:** CEIAC is supported by ERDC CHL's multidisciplinary technical staff of engineers, scientists, equipment specialists, and other technical personnel who establish and maintain historical, technical, scientific, and other information collected throughout the world that is pertinent to coastal engineering. Expertise is offered in areas of coastal waves and currents, coastal sedimentary processes, coastal structures, dredging, coastal hazards, and risk assessment. Additionally, CEIAC maintains an extensive database of wave data that can be transferred to users via file transfer protocol (FTP). CEIAC provides (a) biographic inquiry services through which authoritative reports are searched, (b) referral services that provide consultation with world-recognized technical experts, (c) technical inquiry services where expert and authoritative advice is given in response to technical questions, and (d) basic services such as providing quick e-mail or telephone responses.



**Supporting Technology:** CEIAC has access to the entire ERDC Research Library that is accessed through the CHL web site <http://chl.erdc.usace.army.mil>, for making referrals and answering requests. At this web site click on "ERDC Library"; then on the next screen click on "ERDC Library" again; then click on "Library Catalog & ERDC Publications". This provides the "ERDC LIBRARY" screen containing three searchable entries pertaining to particular documents. At this web site location there is



access to the full compliment of all on-line ERDC publications (including CHL), such as CHL Technical Reports (TRS), and Coastal and Hydraulics Engineering Technical Notes (CHETNs). These documents cover subject matter within the entire range of coastal engineering and science. Additionally, CEIAC provides access to computer programs used in coastal engineering, planning, and design, including (a) the Automated Coastal Engineering System (ACES) microcomputer programs; (b) the Coastal Modeling System (CMS); and (c) the Coastal Engineering Manual (CEM). CEIAC also takes advantage of the ERDC Information Technology Laboratory (ITL) Major Shared Resource Center (MSRC) that offers its users (a) the latest in high-performance computing (HPC) capabilities, (b) state-of-the-art in scientific visualization, and (c) training in HPC skills.



**Benefits:** CEIAC assists customers in basic research efforts by directing them to necessary data and information. It improves the productivity of researchers, engineers, program managers, and others interested in coastal engineering by collecting disseminating scientific and technical information in specialized fields of subject areas.

**Point of Contact:** Lyndell (Lyn) Hales, CEERD-HV-T, [Lyndell.Z.Hales@usace.army.mil](mailto:Lyndell.Z.Hales@usace.army.mil), Phone: 601-634-3207.